



## Features

### Newland's best screen technology.

The 4" HD screen has a high transparency and low reflectivity to give crystal clear images, even in sunlight. The touchscreen responds when wearing gloves and maintains sensitivity even when wet. For added protection, Gorilla Glass 3 makes the N7 Cachalot Pro tougher and more damage resistant, making the device the perfect companion in rough environments.

### Android Enterprise Recommended (AER).

The N7 Cachalot Pro carries Google's AER seal of approval, signaling it keeps pace with performance and security upgrades to its operating system and core functionality. This label, in combination with Newland's free MDM Ndevor, enables clients to maintain secure visibility and control over their devices regardless of location.

### Fast charging, high-capacity and hot-swappable battery.

The N7 Cachalot Pro supports fast charging for its 5100mAh battery and is hot-swappable. This keeps your program running and your wifi connected, even when taking the battery fully out to exchange it with a new one.

### Near and far scanning, acuscan and multi-read mode.

The N7 Cachalot Pro offers a choice of megapixel 2D scan engine. The Standard-range version with acuscan provides standard, accurate scanning on codes close-up or smaller items. Alternatively, the Mid-range version is capable of reading codes on boxes and pallets from further away. Both scanners offer Newland's multi-read mode.

### The keys to unlock applications.

The N7 Cachalot Pro is designed to allow tailoring to many different applications for which a physical keyboard is still preferred. It offers the flexibility to choose between a 29, 38 and 47 keypad option (not including side scan buttons). Each of the three configurations are back-lit for high visibility in dark work environments.

### Seen and heard.

The applications most suited to the N7 Cachalot Pro are often in noisy environments. To accommodate for this, sound notifications can be adjusted to reach up to 90 decibels. When sound is not wanted, or instead, enough on its own, the device has vibration and a LED color feedback.



## Application Scenarios



# N7 Cachalot Pro technical specifications

<b>Performance</b>	Operating System	Android 10, with GMS, Android Enterprise Recommended (AER)	
	Processor	Qualcomm Snapdragon 1.8GHz main frequency	
	Memory RAM	WiFi-only: 3GB 4G: 4GB	
	Memory Flash	WiFi-only: 32GB 4G: 64GB	
	Memory Storage Expansion (Max.)	Micro SD/TF card (max. 128 GB)	
	Depth of Field EAN13 (13mil)	SR: 40-480mm; MR: 130-705mm	
	Depth of Field CODE 39 (5mil)	SR: 80-350mm; MR: 200-575mm	
	Depth of Field PDF417 (6.67mil)	SR: 60-320mm; MR: 175-550mm	
	Depth of Field Data Matrix (10mil)	SR: 55-355mm; MR: 185-520mm	
	Depth of Field QR (15mil)	SR: 50-400mm; MR: 195-550mm	
	<b>Data capture</b>	1D	All major 1D symbologies, including Code128, Code 49, Code 16K, (GS1128) UCC/EAN-128, AIM-128, EAN-8, EAN-13, UPC-E, UPC-A, ITF, ITF 6, ITF 14, Matrix 2 of 5, Industrial 25, Standard 2 of 5, Code39, ISSN, ISBN, Codabar, Code93, Code 11, Plessey, MSI Plessey, RSS.
		2D	All major 2D symbologies, including Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF 417, QR Code, DataMatrix, DotCode.
<b>Physical</b>	Dimensions (mm)	200(H) x 70(W) x 29(D) mm (pistol grip 58mm)	
	Weight	360g (including battery)	
	Display	4.0" WVGA IPS screen with Gorilla Glass, resolution 480x800, support with gloves or water touch	
	Keypad	29, 38 or 47 physical buttons, white backlight function	
	Buttons	Two scan buttons (left / right), three touch navigation keys	
	Interfaces	Quick charging (QC) 3.0, Type-C port, 9V/2A	
	Battery Type	3.8V, 5100 mAh, removable battery	
	Expected Battery Life	Scanning: > 15 hours of continuous operations; standby: 500 hours	
	Notifications	Vibrator, speaker, and multi-color LED	
	Power Supply Input	AC 100~240V,50~60Hz	
	Power Supply Output	Type-C 9V/2A,15V/1.2A	
	Sensors	Gravity Sensor; Hall Switch	
	Expansion Slot	MicroSD/TF card (max. 128GB)	
	Camera	13 Megapixels, PDAF, with LED flashlight	
	SIM	Nano+Nano or Nano+TF	
<b>Environmental</b>	Operating Temperature	- 20°C to 55°C (-4°F to 131°F)	
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
	Humidity	5% to 95% (non-condensing)	
	Electro Static Discharge (ESD)	±8 KV (direct discharge); ±15 KV (air discharge)	
	Drop	1.8m	
	Sealing	IP65	
<b>Wireless</b>	WWAN Radio	2G: GSM: 850/900/1800/1900MHz; 3G: WCDMA: B1/B2/B5/B7/B8/ B20/B28a&b, CDMA 1x/EVDO: BC0; 4G: FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28a&b, TDD-LTE: B38/B39/B40/B41 (100M)	
	WLAN Radio	802.11 a/b/g/n/ac, compatible with 11 d/h/l/k/r/v/w, support 2.4G and 5G dual frequency; Roaming: Super Fast Roaming	
	WPAN Radio	Dual mode, Bluetooth 4.2+LE (backward compatible)	
	RFID	NFC: 13.36MHz ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags	
	GPS	GPS-A, GPS-BeiDou, GLONASS	
<b>Accessories</b>	Optional	Single cradle with daisy chain technology (link up to 4 single-slot chargers to one multi-charger), pistol Grip, 4-slot battery charger, screen protection film	
	Standard	Hand strap, USB cable, battery and multi-plug adapter (supports fast charging)	
<b>Device Management</b>	Software	Ndevor (MDM / Device Configuration), SOTi (MDM), Airwatch (MDM), StayLinked (TE), Ivanti Velocity (TE)	
<b>Certifications</b>	Certifications	CE-RED, FCC, BIS, RoHS2.0, REACH, AER, SOTI, UN38.3, IEC62471; Laser Safety: IEC60825	
<b>Warranty</b>	Warranty	2 years	